What is claimed:

- A method for the manufacture of a relatively non-corrosive aluminum sulfate which comprise
 - (a) introducing and mixing an alkali into a solution of aluminum sulfate having a concentration of between about 82% to 97% by weight and in sufficient amounts and such that when the alkali is substantially dissolved, the pH of the solution yields a polyaluminum sulfate product having an elevated cationic changes of at least 5, and (b) filtering the polyaluminum sulfate reaction product.
- 2. The method of Claim 1 wherein the quantity of alkali introduced and mixed into the aluminum sulfate solution comprises from about 3% to about 15% by weight of the aluminum sulfate.
- 3. The method of Claim 1 wherein the alkali is soda ash.
- 4. The method of Claim 1 wherein the alkali is lime.
- 5. The method of Claim 4 wherein the lime is hydrated lime or lime.
- 6. The method of Claim 1 wherein the alkali is sodium hydroxide.
- 7. The method of Claim 1 wherein the alkali is sodium bicarbonate.
- 8. The method of Claim 1 wherein the alkali is a blend of sodium carbonate and lime.
- 9. The method of Claim 1 wherein the solution of aluminum sulfate has a concentration of between about 85% to about 97% by weight and the alkali comprises between about 3% to 15% by weight.
- 10. The method of Claim 9 in which the alkali is soda ash and wherein about 1.0% phosphoric acid is added.

- 11. The method of Claim 10 in which the alkali is soda ash and wherein 1.0% to about 3% phosphoric acid is added.
- 12. A relatively non-corrosive aluminum sulfate product comprising the reaction product of between about 85% to about 97% by weight of aluminum sulfate and between about 3% and about 15% by weight of an alkali.
- 13. The product of Claim 12 in which the alkali is soda ash.
- 14. The product of Claim 12 in which the alkali is lime or soda ash.
- 15. The product of Claim 14 in which the reaction product incorporates from about 0.5% to about 5% by weight of phosphoric acid.